# Strategies for Updating Source Water Assessment Reports

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#### Why Bother?

- Elk River Chemical Spill
  - Impacted up to 300,00 residents
  - Various water suppliers were impacted from 4 to 10 days
  - Release impacted public facilities, schools, hospitals, restaurants, nursing homes, jails, and local businesses.
  - Financial losses are estimated to be in the billions
- Woburn Wells G & H leukemia cluster
- Fletcher's Paint Works impacts Milford, NH supply well

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#### Strategies for Collecting Data

- Electronic Databases
  - EPA's EnviroMapper
  - EPA's ECHO
  - EPA NPDES eNOI Database
  - NH DES OneStop
- Right to Know Laws
- Local Site Plan Review & Permitting Process
- Windshield Surveys & Site Walks

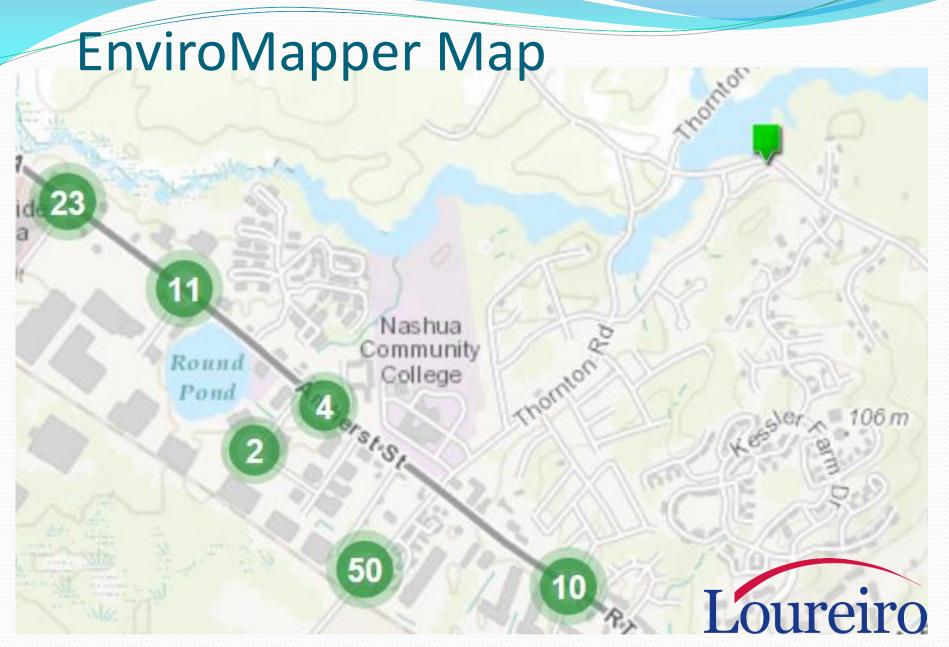




#### EPA EnviroMapper & ECHO

- Searchable mapping tools
- Identifies federal spill sites, hazardous waste generators, regulated chemical handlers
- Provides link to site specific information for each location
- http://www.epa.gov/emefdata/em4ef.home
- http://echo.epa.gov/



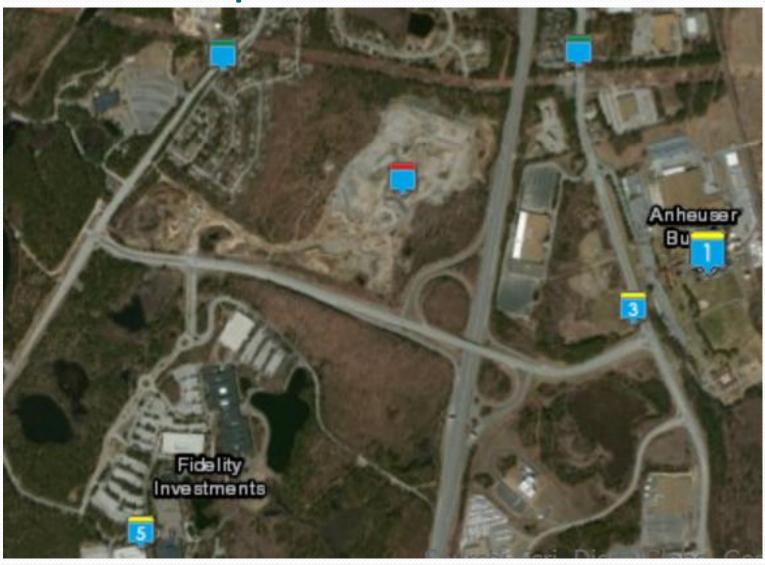


#### **ECHO Data**

Facility Name	<b>Mapped</b>	Street Address	City	\$ State	FRS ID	Reports	Current Significant Violations
CHEMFAB - SAINT GOBAIN PERFORMANCE PLASTICS	Ŷ	701 DANIEL WEBSTER HWY.	MERRIMACK	NH	110000313385		N
WATSON PARK (FORMER HARCROS CHEMICAL SITE)	Ŷ	441 DANIEL WEBSTER HIGHWAY	MERRIMACK	NH	110000313394	C	N
JCI JONES CHEMICALS	Q	40 RAILROAD AVENUE	MERRIMACK	NH	110000561874	CI	N



### ECHO Map



#### **EPA NPDES eNOI**

Tracking Number	NOI Submitted Date	<u>Date of</u> Coverage		Owner/Operator <u>Name</u>	Project/Site <u>Name</u>
NHR05BM61	December 30, 2008	January 29, 2009	Industrial	Hitchiner Manufacturing Company, Inc.	ACF
NHR05BM95	January 05, 2009	February 04, 2009	Industrial	First Student, Inc.	First Student, Inc. #12509
NHR05BN31	January 05, 2009	February 04, 2009	Industrial	TOWN OF MILFORD	Transfer Station
NHR05BM84	January 09, 2009	February 08, 2009	Industrial	Granite State Concrete Co. Inc.	Granite State Concrete Co. Inc
NHR05BP28	April 07, 2009	May 07, 2009	Industrial	HENDRIX WIRE CABLE	HENDRIX WIRE AND CABLE

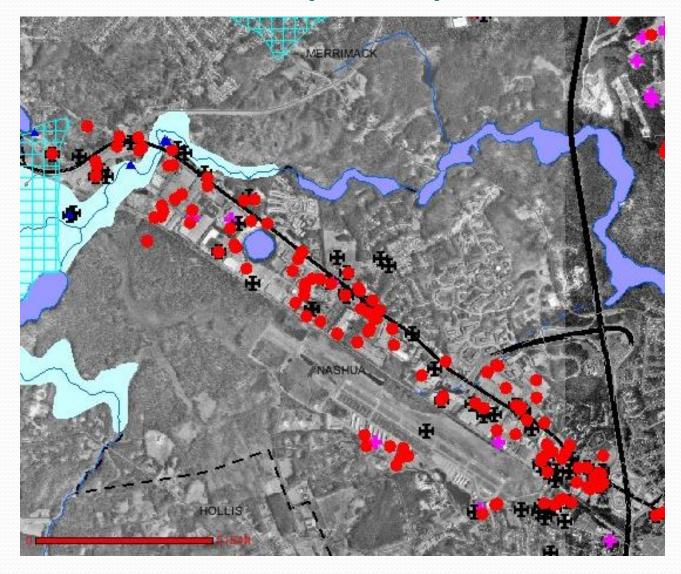


#### NH DES OneStop

- Searchable mapping tool
- Identifies spill sites, hazardous waste generators, registered tanks, remediation sites, etc.
- Provides link to site specific information for each location
- http://www2.des.nh.gov/gis/onestop/register.asp



# NH DES OneStop Map





#### Leveraging EPCRA

- Emergency Planning & Community Right to Know Act
  - Enables public officials and the general public to seek information describing a facility's chemical inventory



# Collecting Info Via Site Plan Review & Permit Process

- Apply conditions to seek:
  - Chemical inventory and spill plan
  - Tank records
  - Environmental reports and sampling data
  - Description and map of environmental impacts
  - Drainage maintenance records
  - Seek monitoring well information
  - Impose inspection, maintenance or monitoring requirements

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#### Look for Threats in Recharge Area

- Focus on business types: automotive; landscaping; construction; manufacturing/industry; fleet operations; agriculture
- Key features suggest risk: tanks, monitoring wells, outdoor storage of chemicals, staining
- Remember drainage systems can promote contaminant migration
- Utility lines can serve as migration pathways
- Blasting can create new pathways



#### Abbott & Everett Wells - Wilton





#### Oil Tanks Visible From the Road





#### Look for Sources or Signs of Release







#### Final Tips

- Develop an outreach plan
- Explain how source protection benefits the community
- Many facilities welcome practical suggestions for improving materials management (e.g., keep drums sealed & covered, get spill supplies, create a spill plan)
- Define impacts in local terms
- Grow your plan to meet new issues and challenges



## Thank you – Questions?

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